**Lab Assignment 1: Spinning up React Native App**

1. **System Requirement**
   1. Windows 11 64bit
   2. CPU Intel Core i7-11370H
   3. RAM 16384MB
2. **Step-by-step installation:**
   1. Navigate to the website [Setting up the development environment · React Native](https://reactnative.dev/docs/environment-setup)
   2. Choose Development OS – Windows, Target OS – Android
   3. Run CMD as administrator and run the following line choco install -y nodejs-lts microsoft-openjdk11
   4. However, the CMD failed to install Node.js so I downloaded Node.js 18 separately and installed it
   5. Download and install Android Studio from https://developer.android.com/studio/index.html
   6. Install the Android SDK in the Android Studio by navigating to More Action > SDK Manager > Click on Android 13 (Tiramisu) and click apply to download and install
   7. Click tab “SDK Tools” and make sure that Android SDK Build-Tools 33.0.0 is selected
3. **Configuration step:**
   1. Configure the ANDROID\_HOME environment variable with the path to SDK folder in User Account from control panel
   2. Open PowerShell and run this line to check if the environment has been set up **Get-ChildItem -Path Env:\**
   3. From change environment variables windows, click on path > edit > add new path %LOCALAPPDATA%\Android\Sdk\platform-tools
4. **Project creation:**
   1. Run the following command to create new project in VSC npx react-native@latest init AmazingTodoList
   2. In Android Studio, create new device which is Pixel 7 running Android Tiramisu
   3. Open the project folder in VSC and change app.tsx into app.jsx, modify the file by removing all the typescript element
5. **Running the project:**
   1. Run npm run start from the terminal of VSC and choose “a” for Android
6. **Troubleshooting:**
   1. N/A
7. **Resources:**
   1. [Setting up the development environment · React Native](https://reactnative.dev/docs/environment-setup)
   2. ChatGPT